

OICE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/944,396

DATE: 12/10/2001  
TIME: 15:42:20

Input Set : N:\paola\09944396.txt  
Output Set: N:\CRF3\12102001\I944396.raw

RECEIVED

JAN 18 2002

TECH CENTER 1600/2900

ENTERED

3 <110> APPLICANT: Baker, Kevin  
4 Botstein, David  
5 Eaton, Dan  
6 Ferrara, Napoleone  
7 Filvaroff, Ellen  
8 Gerritsen, Mary  
9 Goddard, Audrey  
10 Godowski, Paul  
11 Grimaldi, Christopher  
12 Gurney, Austin  
13 Hillan, Kenneth  
14 Kljavin, Ivar  
15 Napier, Mary  
16 Roy, Margaret  
17 Tumas, Daniel  
18 Wood, William  
20 <120> TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
21 ACIDS ENCODING THE SAME  
23 <130> FILE REFERENCE: P2548P1C1  
W--> 24 <140> CURRENT APPLICATION NUMBER: 09/944,396  
25 <141> CURRENT FILING DATE: 2001-08-30  
27 <150> PRIOR APPLICATION NUMBER: 09/866,028  
28 <151> PRIOR FILING DATE: 2001-05-25  
30 <150> PRIOR APPLICATION NUMBER: 60/069,334  
W--> 31 <151> PRIOR FILING DATE: December 11, 1997  
33 <150> PRIOR APPLICATION NUMBER: 60/069335  
W--> 34 <151> PRIOR FILING DATE: December 11, 1997  
36 <150> PRIOR APPLICATION NUMBER: 60/069,278  
W--> 37 <151> PRIOR FILING DATE: December 11, 1997  
39 <150> PRIOR APPLICATION NUMBER: 60/069,425  
W--> 40 <151> PRIOR FILING DATE: December 12, 1997  
42 <150> PRIOR APPLICATION NUMBER: 60/069,696  
W--> 43 <151> PRIOR FILING DATE: December 16, 1997  
45 <150> PRIOR APPLICATION NUMBER: 60/069,694  
W--> 46 <151> PRIOR FILING DATE: December 16, 1997  
48 <150> PRIOR APPLICATION NUMBER: 60/069,702  
W--> 49 <151> PRIOR FILING DATE: December 16, 1997  
51 <150> PRIOR APPLICATION NUMBER: 60/069,870  
W--> 52 <151> PRIOR FILING DATE: December 17, 1997  
54 <150> PRIOR APPLICATION NUMBER: 60/069,873  
W--> 55 <151> PRIOR FILING DATE: December 17, 1997  
57 <150> PRIOR APPLICATION NUMBER: 60/068,017  
W--> 58 <151> PRIOR FILING DATE: December 18, 1997  
60 <150> PRIOR APPLICATION NUMBER: 60/070,440  
W--> 61 <151> PRIOR FILING DATE: January 5, 1998  
63 <150> PRIOR APPLICATION NUMBER: 60/074,086  
W--> 64 <151> PRIOR FILING DATE: February 9, 1998

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/944,396

DATE: 12/10/2001  
TIME: 15:42:20

Input Set : N:\paola\09944396.txt  
Output Set: N:\CRF3\12102001\I944396.raw

66 <150> PRIOR APPLICATION NUMBER: 60/074,092  
W--> 67 <151> PRIOR FILING DATE: February 9, 1998  
69 <150> PRIOR APPLICATION NUMBER: 60/075,945  
W--> 70 <151> PRIOR FILING DATE: February 25, 1998  
72 <150> PRIOR APPLICATION NUMBER: 60/112,850  
W--> 73 <151> PRIOR FILING DATE: December 16, 1998  
75 <150> PRIOR APPLICATION NUMBER: 60/113,296  
W--> 76 <151> PRIOR FILING DATE: December 22, 1998  
78 <150> PRIOR APPLICATION NUMBER: 60/146,222  
W--> 79 <151> PRIOR FILING DATE: July 28, 1999  
81 <150> PRIOR APPLICATION NUMBER: PCT/US98/19330  
W--> 82 <151> PRIOR FILING DATE: September 16, 1998  
84 <150> PRIOR APPLICATION NUMBER: PCT/US98/25108  
W--> 85 <151> PRIOR FILING DATE: December 1, 1998  
87 <150> PRIOR APPLICATION NUMBER: 09/216,021  
W--> 88 <151> PRIOR FILING DATE: December 16, 1998  
90 <150> PRIOR APPLICATION NUMBER: 09/218,517  
W--> 91 <151> PRIOR FILING DATE: December 22, 1998  
93 <150> PRIOR APPLICATION NUMBER: 09/254,311  
W--> 94 <151> PRIOR FILING DATE: March 3, 1999  
96 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252  
W--> 97 <151> PRIOR FILING DATE: June 22, 1999  
99 <150> PRIOR APPLICATION NUMBER: PCT/US99/21090  
W--> 100 <151> PRIOR FILING DATE: September 15, 1999  
102 <150> PRIOR APPLICATION NUMBER: PCT/US99/28409  
W--> 103 <151> PRIOR FILING DATE: November 30, 1999  
105 <150> PRIOR APPLICATION NUMBER: PCT/US99/28313  
W--> 106 <151> PRIOR FILING DATE: November 30, 1999  
108 <150> PRIOR APPLICATION NUMBER: PCT/US99/28301  
W--> 109 <151> PRIOR FILING DATE: December 1, 1999  
111 <150> PRIOR APPLICATION NUMBER: PCT/US99/30095  
W--> 112 <151> PRIOR FILING DATE: December 16, 1999  
114 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565  
W--> 115 <151> PRIOR FILING DATE: February 11, 2000  
117 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414  
W--> 118 <151> PRIOR FILING DATE: February 22, 2000  
120 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841  
W--> 121 <151> PRIOR FILING DATE: March 2, 2000  
123 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439  
W--> 124 <151> PRIOR FILING DATE: March 30, 2000  
126 <150> PRIOR APPLICATION NUMBER: PCT/US00/14042  
W--> 127 <151> PRIOR FILING DATE: May 22, 2000  
129 <150> PRIOR APPLICATION NUMBER: PCT/US00/20710  
W--> 130 <151> PRIOR FILING DATE: July 28, 2000  
132 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678  
W--> 133 <151> PRIOR FILING DATE: December 1, 2000  
135 <150> PRIOR APPLICATION NUMBER: PCT/US01/06520  
W--> 136 <151> PRIOR FILING DATE: February 28, 2001  
138 <160> NUMBER OF SEQ ID NOS: 120

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/944,396

DATE: 12/10/2001  
TIME: 15:42:20

Input Set : N:\paola\09944396.txt  
Output Set: N:\CRF3\12102001\I944396.raw

```

140 <210> SEQ ID NO: 1
141 <211> LENGTH: 2454
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo Sapien
145 <400> SEQUENCE: 1
146 ggactaatct gtgggagcag tttattccag tatcaccacag ggtgcagcca 50
148 caccaggact gtgttgaagg gtgttttttt tcttttaaag gtaataacctc 100
150 ctcactctttt cttcttacac agtgtctgag aacattttaca ttatagataa 150
152 gtagtacatg gtggataact tctactttta ggaggactac tctctttotga 200
154 cagtcctaga ctggtcttct acactaagac accatgaagg agtatgtgct 250
156 cctattattc ctggctttgt gctctgcaa acccttcttt agcccttcac 300
158 acatgcgact gaagaatatg atgctgaagg atatggaaga cacagatgat 350
160 gatgatgatg atgatgatga tgatgatgat gatgaggaca actctctttt 400
162 tccaacaaga gagccaagaa gccatttttt tccatttgat ctgtttccaa 450
164 tgtgtccatt tggatgtcag tgctattcac gagttgtaca ttgctcagat 500
166 ttaggtttga cctcagtcctt aaccaacatt ccatttgata ctggaatgct 550
168 tgatcttcaa aacaataaaa ttaaggaaat caaagaaaat gattttaaag 600
170 gactcacttc actttatggt ctgatcctga acaacaacaa gctaacgaag 650
172 attcacccaa aagcctttct aaccacaaag aagttgcgaa ggctgtatct 700
174 gtcccacaat caactaagtg aaataccact taatcttccc aaatcattag 750
176 cagaactcag aattcatgaa aataaagtta agaaaataca aaaggacaca 800
178 ttcaaaggaa tgaatgcttt acacgttttg gaaatgagtg caaacctct 850
180 tgataataat gggatagagc caggggcatt tgaagggttg acggtgttcc 900
182 atatcagaat tgcagaagca aaactgacct cagttcctaa aggcctacca 950
184 ccaactttat tggagcttca cttagattat aataaaaatt caacagtgga 1000
186 acttgaggat tttaaacgat acaaagaact acaaaggctg ggccctaggaa 1050
188 acaacaaaat cacagatatc gaaaatggga gtcttgctaa cataccacgt 1100
190 gtgagagaaa tacatttgga aaacaataaa ctaaaaaaa tcccttcagg 1150
192 attaccagag ttgaaatacc tccagataat cttccttcat tctaattcaa 1200
194 ttgcaagagt gggagtaaat gacttctgtc caacagtgcc aaagatgaag 1250
196 aaatctttat acagtgcaat aagtttattc aacaacccgg tgaaatactg 1300
198 ggaaatgcaa cctgcaacat ttogttgtgt tttgagcaga atgagtgttc 1350
200 agcttgggaa ctttggaatg taataattag taattggtaa tgtccattta 1400
202 atataagatt caaaaatccc tacatttgga atacttgaa tctattaata 1450
204 atggtagtat tatatataca agcaaataac tattctcaag tggtaagtcc 1500
206 actgacttat tttatgacaa gaaatttcaa cggaattttg ccaaactatt 1550
208 gatacataag gggttgagag aaacaagcat ctattgcagt ttcctttttg 1600
210 cgtacaaatg atcttacata aatctcatgc ttgaccattc ctttcttcat 1650
212 aacaaaaaag taagatatc ggtatttaac actttgttat caagcacatt 1700
214 ttaaaaagaa ctgtactgta aatggaatgc ttgacttagc aaaatttggtg 1750
216 ctctttcatt tgctgttaga aaaacagaat taacaaagac agtaatgtga 1800
218 agagtgcatt acactattct tattctttag taacttgggt agtactgtaa 1850
220 tatttttaat catcttaaag tatgatttga tataatctta ttgaaattac 1900
222 cttatcatgt cttagagccc gtctttatgt ttaaaaactaa tttcttaaaa 1950
224 taaagccttc agtaaatgtt cattaccaac ttgataaatg ctactcataa 2000
226 gagctggttt ggggctatag catatgcttt ttttttttta attattacct 2050
228 gatttaaaaa tctctgtaaa aacgtgtagt gtttcataaa atctgtact 2100
230 cgcattttta tgatccgcta ttataagctt ttaatagcat gaaaattgtt 2150
232 aggctatata acattgccac ttcaactcta aggaatattt ttgagatatc 2200

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/944,396

DATE: 12/10/2001  
TIME: 15:42:20

Input Set : N:\paola\09944396.txt  
Output Set: N:\CRF3\12102001\I944396.raw

```

234 cctttggaag accttgcttg gaagagcctg gacactaaca attctacacc 2250
236 aaattgtctc ttcaaatacg tatggactgg ataactctga gaaacacatc 2300
238 tagtataact gaataagcag agcatcaaat taaacagaca gaaaccgaaa 2350
240 gctctatata aatgctcaga gttctttatg tatttcttat tggcattcaa 2400
242 catatgtaaa atcagaaaac agggaaattt tcattaataaa tattgggttg 2450
244 aaat 2454
246 <210> SEQ ID NO: 2
247 <211> LENGTH: 379
248 <212> TYPE: PRT
249 <213> ORGANISM: Homo Sapien
251 <400> SEQUENCE: 2
252 Met Lys Glu Tyr Val Leu Leu Leu Phe Leu Ala Leu Cys Ser Ala
253 1 5 10 15
255 Lys Pro Phe Phe Ser Pro Ser His Ile Ala Leu Lys Asn Met Met
256 20 25 30
258 Leu Lys Asp Met Glu Asp Thr Asp Asp Asp Asp Asp Asp Asp
259 35 40 45
261 Asp Asp Asp Asp Asp Glu Asp Asn Ser Leu Phe Pro Thr Arg Glu
262 50 55 60
264 Pro Arg Ser His Phe Phe Pro Phe Asp Leu Phe Pro Met Cys Pro
265 65 70 75
267 Phe Gly Cys Gln Cys Tyr Ser Arg Val Val His Cys Ser Asp Leu
268 80 85 90
270 Gly Leu Thr Ser Val Pro Thr Asn Ile Pro Phe Asp Thr Arg Met
271 95 100 105
273 Leu Asp Leu Gln Asn Asn Lys Ile Lys Glu Ile Lys Glu Asn Asp
274 110 115 120
276 Phe Lys Gly Leu Thr Ser Leu Tyr Gly Leu Ile Leu Asn Asn Asn
277 125 130 135
279 Lys Leu Thr Lys Ile His Pro Lys Ala Phe Leu Thr Thr Lys Lys
280 140 145 150
282 Leu Arg Arg Leu Tyr Leu Ser His Asn Gln Leu Ser Glu Ile Pro
283 155 160 165
285 Leu Asn Leu Pro Lys Ser Leu Ala Glu Leu Arg Ile His Glu Asn
286 170 175 180
288 Lys Val Lys Lys Ile Gln Lys Asp Thr Phe Lys Gly Met Asn Ala
289 185 190 195
291 Leu His Val Leu Glu Met Ser Ala Asn Pro Leu Asp Asn Asn Gly
292 200 205 210
294 Ile Glu Pro Gly Ala Phe Glu Gly Val Thr Val Phe His Ile Arg
295 215 220 225
297 Ile Ala Glu Ala Lys Leu Thr Ser Val Pro Lys Gly Leu Pro Pro
298 230 235 240
300 Thr Leu Leu Glu Leu His Leu Asp Tyr Asn Lys Ile Ser Thr Val
301 245 250 255
303 Glu Leu Glu Asp Phe Lys Arg Tyr Lys Glu Leu Gln Arg Leu Gly
304 260 265 270
306 Leu Gly Asn Asn Lys Ile Thr Asp Ile Glu Asn Gly Ser Leu Ala
307 275 280 285

```

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/944,396

DATE: 12/10/2001  
 TIME: 15:42:20

Input Set : N:\paola\09944396.txt  
 Output Set: N:\CRF3\12102001\I944396.raw

```

309 Asn Ile Pro Arg Val Arg Glu Ile His Leu Glu Asn Asn Lys Leu
310                               290                295                300
312 Lys Lys Ile Pro Ser Gly Leu Pro Glu Leu Lys Tyr Leu Gln Ile
313                               305                310                315
315 Ile Phe Leu His Ser Asn Ser Ile Ala Arg Val Gly Val Asn Asp
316                               320                325                330
318 Phe Cys Pro Thr Val Pro Lys Met Lys Lys Ser Leu Tyr Ser Ala
319                               335                340                345
321 Ile Ser Leu Phe Asn Asn Pro Val Lys Tyr Trp Glu Met Gln Pro
322                               350                355                360
324 Ala Thr Phe Arg Cys Val Leu Ser Arg Met Ser Val Gln Leu Gly
325                               365                370                375
327 Asn Phe Gly Met
330 <210> SEQ ID NO: 3
331 <211> LENGTH: 20
332 <212> TYPE: DNA
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
338 <400> SEQUENCE: 3
339 ggaaatgagt gcaaaccctc 20
341 <210> SEQ ID NO: 4
342 <211> LENGTH: 24
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
349 <400> SEQUENCE: 4
350 tcccaagctg aacactcatt ctgc 24
352 <210> SEQ ID NO: 5
353 <211> LENGTH: 50
354 <212> TYPE: DNA
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
360 <400> SEQUENCE: 5
361 gggtagcggg gttccatata agaattgcag aagcaaaact gacctcagtt 50
363 <210> SEQ ID NO: 6
364 <211> LENGTH: 3441
365 <212> TYPE: DNA
366 <213> ORGANISM: Homo Sapien
368 <400> SEQUENCE: 6
369 cggacgcgtg ggcggacgcg tgggcccgcg gcaccgcccc cggcccggcc 50
371 ctccgccctc cgcactcgcg cctccctccc tcgcgccgct cccgcgccct 100
373 cctccctccc tcctccccag ctgtcccgtt cgcgtcatgc cgagcctccc 150
375 ggccccgcgc gccccgctgc tgcctctcgg gctgctgctg ctccgctccc 200
377 ggccggcccc cggcgcgggc ccagagcccc ccgtgctgcc catccgttct 250
379 gagaaggagc cgctgcccggt tcggggagcg gcaggctgca ccttcggcgg 300
381 gaaggtctat gccttgagcg agacgtggca cccggaccta gggcagccat 350

```

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/944,396

DATE: 12/10/2001

TIME: 15:42:21

Input Set : N:\paola\09944396.txt

Output Set: N:\CRF3\12102001\I944396.raw

L:24 M:283 W: Missing Blank Line separator, <140> field identifier  
L:31 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:34 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:37 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:40 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:43 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:46 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:49 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:52 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:55 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:58 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:61 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:64 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:67 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:70 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:73 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:76 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:79 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:82 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:85 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:88 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:91 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:94 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:97 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:100 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:103 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:106 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:109 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:112 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:115 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:118 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:121 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:124 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:127 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:130 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:133 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:136 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD